an efray on Diabeter Mellitus presented to the her yohn Mc Dowell LID Provoit to the Trustees & Medical Faculty of the University of Cennsylvania William Aspinwall of Phapachusetts. april 27th 1808

tig as my ki m pe for min er in in in in an a

On attempt has been made in this exay, to invertigate the cause, of Diabetes Mellitus, only. Other kinds as Diabetes mifiches, Diabetes Arthriticus, Diabetes Hystericus de are considered merely as symptomatic I will terminate with the cure of the primary dis ware. The belief, that Diubetes Mellitus is dependant on I connected with, an affection of the liver, was received from the Lectures of the Profepor of the Institutes of Practice of Medicine. This opinion was more confirmed, when it was found, that the lungs, in which, the chyle, after being taken into the cire culation, is supposed to be changed into ved blood. were always in a sound state, in diabetic parts unts. The kidnies have been supposed to be the west of Diabeter. Atthough they have exhibited a flace in appearance, generally on difrection, get this as D'Tullen says, is rather the effects, than the cause of morbed action in them. The facility with which, they have vecovered their healthy action, when other symptoms have been re-

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moved, is opposed to the upposition.

This performance is very imperfect from its showing, from the nature of the subject, & from wery thing besides which could render it so that it many imperfections however, to the product of the Minimity, it werpectfully submitted.

The symptoms of Dialetts Meditus, are a unherabundant di charge of water, of a light was ofor sweetish to the last & constitute of a whey. Whe affeavance. The affectite is changeable but for the most part voraceus. Theory exception the guentity of liquies taken into the storach, frequently secessing the several gallow in the twen frequently secessing the several gallow in the twen frequent of feetle than a day. The pulse is more frequent of feetle than or day. The pulse is more ciation. I am in the kielnies. Depetions have

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shown them to be in a flaced state of the velsets preternaturally enlarged especially those of the eryptae. This is not always the care, for sometimes only only one, at other times nein ther have exhibited any morbed appearance on defrection. Costiveness is an attendant symptom. The stook of a greenish color, with out any unpleasant smell. The color of the face ces depends on the acidity of the gastrice. The want of mett in the discharges from the oce. tum, is without doubt, owing to a deficiency. of bite. The disease comes Nowly & almost imperceptibly, without any previous chiorder.

The remote causes of Diabetes Mellitis, are supposed to be intemperance in cating & drimbing. The two copies duringled by Dr. Notto are evidences of this. Other causes have been apaged, as great fatigue, exposite to

the eraptore in a not aparant the case, has mades cover, it observe have need two bear exhibited one mode appearance no the receiption of or law right for one of encland morphone he store the a given in whom you set any conplaceant small. The extens of the line as depends on the adulation of the contract the word of smeth in the discharge from the over may, is influent doubt owne to a deficience, to rele. The discers times stoody for most the comple course of Jeamen Middless anymational , he has come as descere

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heat & cold; and drinks. The drinking of large quantities of mineral waters. For frequent we of sun retic medicines. It has followed intermediately flowers. There may have been the remote course of the the ers kinds of Diabetes; but of Diabetes, Millitus, the cor than intemperature in cating & drinking has how seldown been the cause.

The greatest difficulty, that has occurred to soriters on this disease, has been to apoge a prominente caure. It darwins opinion row, that the chapte is carried immediately to the Hadder without entering the coculation. In proof of this, he says, when a large quantity of sportures is drown, it is, by the moverted motion of the wirnary absorbests, while anastonon with the lacteals of the into time, so enveyed into the bladder. By these being forequestly invalid into the bladder. By these being forequestly invalid to the chiple by habit, in paper sector the directly to the bladder. We personents, that have been since made, disposore of this direct communication.

been the remote course of the the in hinde of Infection has of marion melling, at into the bladolor. By these being warquestly invaria a the charle by habit a ropes ento him divisity

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between the stomach & bladder. The bloodals which has been taken from diabetic patient, has had not only a wheyinh to weetich, but on standing reveral days, exhibited a caseous approvers. This proves, that the chyle is, or usual taken up by the lackeds, to there is no reason for supporting their motions involved. It is a well know fuct, that, not only putting the hands into water but even the eight of it, will frequently execte a derive to empty the bladder.

D' beller rays, the prosessate cours of this dis eare being so little known it assertained bear not propose any votional method of cure. The prosessional to consist in some fault of the africulatory powers or those employed in converting abinentary matter, into the proper animal fluids. It has given so caure for this defect in the africulatory organs; or promited out any of the viceor, as being particularly disturb

ed in the healthy functions. Do Dobson & Shotto write Studen

The proximate cause of Deale to Mellitus, is, in they chay supposed to be, an affection of live of this consist in a surpension of its severory pose ers; whether arising from toufor, howaspier any other cause. Although diffected, aget show seldom it to that there is any morted of pearance after death, for most discours. Nor in Diabetes is it necessary. Will a farely the limb after death, differ in appearance of ma a healthy one?

This spinoon, of the proximate cause of Scabeles Melletus, as has been acknowledged, were gregged of by Do Nuch. Then speaking of the liver & it functions, he says, that it is designed to occur



blood from every part of the body, in order, to subject that part of it, which had not been completely unimalized or devested of its chylous propertis, to a secretory process & afterwards to how out the product of this recretion, mened with the liquor of the panereas, into the duodenum. to be absorbed or otherwife tooken up by the lac. teals & conveyed with the chyle, from the stomach into the blood ochets, in order to be completely converted into red blood, for the purpose of wor. ing the various & important wes, for which that fluid is intended in the human body" The prod. not of this secretion is what the Profepor calls hepatic bite. His says D' Bowhauve mild weetich & watery "to the taste. It becomes bitter only by stagnation in the Gall Bladder. Does not a defect, in the functions of the liver, sutisfactority account for the want of a proper apimilation of alimentary into the assured

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Shiels shoken of by Do allen. That the is the winces principally at fault in Deabeter Mellitus in

At that it occurs in persons intemperate in eating & drinking. The obstructions inlargements of the liver, the effects of intemperance in drink ing, are too well known to need any comment. In intemperate eaters to occur frequently. In such caps, the digertive powers of the stomach are open proportioned to those of the fordiger. tion cannot be supposed to be completed, until the chyle is so changed, as to become a proper Shed for the nouverhment of the body. The quan tity of chyle, must be in proportion to the quan tity of aliment taken into the stornach, provide ed it be properly degested there. The fices which are added to give a yest to the food of all Epicures, not only promotes the flow of the Gastrie liquer, but also stimulates the mouth

to a 1 defects of intern ho 15 44 6 A 4 to a climent taken into the etimach. in 10 03 03 4 of the lacteals to an increased absorption Honce the liver is executed to a correction proportionate to the guantity of aliment, necessed into the down ach. Hence also the increased quantity of bile for in the cyclem.

Altho the liver frequently complains of the hard task impored on her, by bilions colics, sick head aches the, she with continues her efforts until to make the opportunities her efforts by discourse by discourse by discourse by discourse by discourse by degrees, under the opportunities he himself or properties to call for more adment it the lacted to about the chyle, as fast as it is from all, the bloodrepich at length become curcharge of with chyle. The chyle, from its quantity be comes a stimulu to the heart of arteries, exist-

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ing morbid action in them. It the liver is in capable of performing its duty by changing it into bile; the hidness to relieve the system take on increased action, which constitutes true Diabetes Mathetus.

I inforthat the in this Disease I The liver is affected, from the deficiency of like, who from the costwery & want of mell in the stools. Attough D' hollo believe the stomach to be the seat of the disease, he says There is veas on to suppose a deficiency of like from whatever cause it may proceed for beside the light color of the stooks, there is no yellowness of the eyes, or even that high raffirm color of the wine, which takes place, when the late is sufficiently serveted, but tweventer from paping into the intestines"

then letter in this mi

From what has been said, as to the proximate cause of Diabetes will readily be inferred. It must consist, in obvicating the saccharine process, in diminishing the morbed action of the stornach & in restoring the liver to the action .

